



SEQUENCE LISTING

<110> Perreault, Jean-Pierre
Ananvoranich, Sirinart
Lafontaine, Daniel

<120> Nucleic Acid Enzyme for RNA Cleavage

<130> 258/235

<140> US 09/699,667

<141> 2001-10-30

<150> CA 2,230,203

<151> 1998-04-29

<150> PCT/CA1999/000391

<151> 1999-04-29

<160> 66

<170> PatentIn version 3.3

<210> 1

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: nucleotide
sequence comprised of ribonucleotides or a
combination of ribonucleotides and
deoxyribonucleotides

<220>

<221> misc_feature

<222> (1) ... (11)

<223> n is a or g or c or t/u, unknown, or other

<400> 1
nnrhgnnhnn n

<210> 2

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: nucleotide
sequence comprised of ribonucleotides or a
combination of ribonucleotides and
deoxyribonucleotides

<220>

<221> misc_feature

<222> (6) ... (11)

<223> n is a or g or c or t/u, unknown, or other

<400> 2
rrrhgnnhnn n 11

<210> 3
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: nucleotide
sequence comprised of ribonucleotides or a
combination of ribonucleotides and
deoxyribonucleotides

<220>
<221> misc_feature
<222> (6) ... (11)
<223> n is a or g or c or t/u, unknown, or other

<400> 3
gggcgnnunn n 11

<210> 4
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: nucleotide
sequence comprised of ribonucleotides or a
combination of ribonucleotides and
deoxyribonucleotides

<220>
<221> misc_feature
<222> (6) ... (11)
<223> n is a or g or c or t/u, unknown, or other

<400> 4
gggcgnnhnn n 11

<210> 5
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: nucleotide
sequence comprised of ribonucleotides or a
combination of ribonucleotides and
deoxyribonucleotides

<220>
<221> misc_feature
<222> (6) ... (11)
<223> n is a or g or c or t/u, unknown, or other

<400> 5
 gggugnnunn n 11

<210> 6
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (6) ... (12)
 <223> n is a or g or c or t/u, unknown, or other

<400> 6
 gggugnncnn nn 12

<210> 7
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (6) ... (11)
 <223> n is a or g or c or t/u, unknown, or other

<400> 7
 aaacgnnnn n 11

<210> 8
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (6) ... (11)
 <223> n is a or g or c or t/u, unknown, or other

<400> 8
yhrhgnnhnn n 11

<210> 9
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 9
gggcgggucg g 11

<210> 10
<211> 10
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 10
gggcgggucg 10

<210> 11
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 11
gggcaggucg g 11

<210> 12
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 12
gggccggucg g 11

<210> 13
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 13
 gggcgagucg g 11

<210> 14
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 14
 gggcgugucg g 11

<210> 15
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 15
 gggcggaucg g 11

<210> 16
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 16
 gggcgguucg g 11

<210> 17
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 17
 gggcgggccg g 11

<210> 18
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 18
 gggcggggcg g 11

<210> 19
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 19
 gggcggguag g 11

<210> 20
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 20
 gggcggguug g 11

<210> 21
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 21
 gggcgggucu g 11

<210> 22
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 22
 gggcgggucg u 11

<210> 23
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 23
 gggcgggcucg g 11

<210> 24
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 24
 gggcgggacg g 11

<210> 25
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 25
 ggagggcggg ucgg 14

<210> 26
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 26
 ggaggggggg ucgg 14

<210> 27
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 27
 ggacggcggg ucgg 14

<210> 28
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 28
 ggaggccggg ucgg 14

<210> 29
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 29
 ggaaggcggg ucgg 14

<210> 30
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 30
 ggagagcggg ucgg 14

<210> 31
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 31
 ggaggacggg ucgg 14

<210> 32
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 32
 ggaggggaggg ucgg

14

<210> 33
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 33
 ggauggcggg ucgg

14

<210> 34
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 34
 ggagugcggg ucgg

14

<210> 35
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 35
 ggaggucggg ucgg

14

<210> 36
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 36
 ggagggguggg ucgg 14

<210> 37
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 37
 ggagggaggg ucgg 14

<210> 38
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 38
 ggaggcaggg ucgg 14

<210> 39
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 39
 ggagccaggg ucgg 14

<210> 40
 <211> 14
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 40
 ggaccaaggg ucgg 14

<210> 41
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA PCR primer

<400> 41

ccggatccct cgggctcggg cg

22

<210> 42

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA PCR primer

<400> 42

ccaagcttcg aagaggaaag aag

23

<210> 43

<211> 813

<212> RNA

<213> Human Delta Virus

<400> 43

caccgcgug	gcgccgcuc	uagaacuagu	ggaucccucg	ggcucggg	gcgaguccag	60
cagucuccuc	uuuacagaaa	auguaagagu	acugaggacu	gccgccucua	gccgagauga	120
gccgguccga	gucgaggaag	aaccgcggag	ggagagaaga	gauccucgag	cagugggugg	180
ccggaagaaa	gaaguagag	gaacucgaga	gagaccuccg	gaagacaaag	aagaaacuca	240
agaagauaga	ggacgaaaau	cccuggcugg	ggaacaucaa	aggaauucuc	ggaaagaagg	300
auaaggauug	agagggggcu	ccccccgcga	agagggcccg	aacggaccag	auggagguag	360
acuccggacc	ucggaagagg	ccucucaggg	gaggauucac	cgacaaggag	aggcaggauc	420
ccgacgaagg	aaggcccucg	agaacaagaa	gaagcagcua	ucggcgggag	gcaagaaccu	480
cagcaaggag	gaagaagagg	aacucaggag	guugaccgag	gaagacgaga	gaagggaaag	540
aagaguagcc	ggcccgcggg	uugggggugu	gaacccccuc	gaagguggau	cgaggggagc	600
gcccgggggc	ggcuucgucc	ccaaucugca	gggagucccg	gagucccccu	ucucucggac	660
cggggagggg	cuggacauca	ggggaaacca	gggaauucca	uaggauauac	ucucccagc	720
cgauccgcc	uuuucucccc	agaguugucg	accccaguga	auaaagcggg	uuuccacuca	780
cagguuugcg	ucucgcgucc	uucuuuccuc	uuc			813

<210> 44

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA sequence

<400> 44

ggguccaccu ccucgcgguc cgaccugggc augcgguuc gcauggcuuaa gggaccc

57

<210> 45

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 45

ggguccaccu ccucgcgguc ccagcugggc augcggcuuc gcauggcuaa gggaccc

57

<210> 46

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 46

ggguccaccu ccucgcgguc cgaccugggc augccuucgg gcauggcuaa gggaccc

57

<210> 47

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 47

ggguccaccu ccucgcgguc cgcccugggc augcggcuuc gcauggcuaa gggaccc

57

<210> 48

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 48

ggguccaccu ccucgcgguc cggccugggc augcggcuuc gcauggcuaa gggaccc

57

<210> 49

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic RNA
sequence

<400> 49

ggguccaccu ccucgcgguc cguccugggc augcggcuuc gcauggcuaa gggaccc

57

<210> 50
 <211> 57
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 50
 ggguccaccu ccucgcgguc cgaacugggc augcggcuuc gcauggcuaa gggaccc 57

<210> 51
 <211> 57
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 51
 ggguccaccu ccucgcgguc cgagcugggc augcggcuuc gcauggcuaa gggaccc 57

<210> 52
 <211> 57
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 52
 ggguccaccu ccucgcgguc cgaucugggc augcggcuuc gcauggcuaa gggaccc 57

<210> 53
 <211> 37
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic RNA
 sequence

<400> 53
 ggguccaccu ccucgcgguc cgaccugggc augcgcc 37

<210> 54
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 sequence which is comprised of ribonucleotides or
 a combination of both ribonucleotides and
 deoxyribonucleotides

<400> 54
 ggcauggcua agggaccc 18

<210> 55
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: RNA/DNA sequence

<400> 55
 ggcgcauggc uaagggaccc 20

<210> 56
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: RT primer

<400> 56
 ctttgatgtt ccccagccag g 21

<210> 57
 <211> 10
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA sequence

<400> 57
 cagugggugg 10

<210> 58
 <211> 20
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA sequence

<400> 58
 ggcgcauggc uaagggaccc 20

<210> 59
 <211> 57

<212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA sequence

<400> 59
 ggguccaccu ccucgcggug ggauaugggc augcggcuuc gcauggcuaa gggaccc 57

<210> 60
 <211> 11
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic RNA sequence

<400> 60
 gggcggcugg g 11

<210> 61
 <211> 57
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (20)..(25)
 <223> n is a or g or c or t/u

<400> 61
 ggguccaccu ccucgcggun nnnnnugggc augcggcuuc gcauggcuaa gggaccc 57

<210> 62
 <211> 57
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (20)..(25)
 <223> n is a or g or c or t/u

<400> 62
 ggguccaccu ccucgcggun nnnnnugggc augccuucgg gcauggcuaa gggaccc 57

<210> 63
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (20)..(25)
 <223> n is a or g or c or t/u

<400> 63
 ggguccaccu ccucgcggun nnnnnugggc augcgcc

37

<210> 64
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: nucleotide
 sequence comprised of ribonucleotides or a
 combination of ribonucleotides and
 deoxyribonucleotides

<400> 64
 ggcgcauggc uaagggaccc

20

<210> 65
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic nucleotide sequence
 comprised of ribonucleotides or a combination of ribonucleotides
 and deoxyribonucleotides

<220>
 <221> misc_feature
 <222> (20)..(25)
 <223> n is a or c or g or t/u

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> s is g or c

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> b is g or c or t/u

<220>
<221> misc_feature
<222> (37)..(37)
<223> y is c or t/u

<400> 65
ggguccaccu ccucgcggun nnnnnugggc augcsby

37

<210> 66
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic nucleotide sequence
comprised of ribonucleotides or a combination of ribonucleotides
and deoxyribonucleotides

<220>
<221> misc_feature
<222> (1)..(1)
<223> b is g or c or t/u

<220>
<221> misc_feature
<222> (2)..(2)
<223> k is g or t/u

<220>
<221> misc_feature
<222> (3)..(3)
<223> s is g or c

<400> 66
bksgcauggc uaagggaccc

20